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JAMECO® ELECTRONICS

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FG-7005C : 0.02Hz~5MHz, LED display

Jameco Part Number 201881

- Wide frequency range : 0.02Hz to 5MHz in 7 range
- 4-in-1 sweep, function & pulse generator and frequency counter
- Versatile waveforms : Sine, Triangle, Ramp, Pulse sawtooth and DC output
- Built-in 6 digit internal and external counter display (Max. 50MHz)
- Internal and external linear sweep control from 1 : 1 to 100 : 1
- Low distortion factor less than 1% at 0.2Hz to 100kHz
- TTL and CMOS leveled square wave output
- Variable DV offset control
- Variable symmetry to generate sawtooth and pulse waveform
- Variable output level control with 20dB attenuator and amplitude control

FREQUENCY

- Output waveform : Sine, Triangle, Square, Pulse sawtooth, Ramp, TTL, CMOS
- Frequency range : 0.02Hz~5MHz in the 7 ranges
- Frequency accuracy : ¡¾ 1 count

EXTERNAL FREQUENCY CONTROL(VCF)

- Input voltage : 0 to 10V(DC + AC peak)
- Frequency variable range : 100 : 1 or more
- DC offset : ¡¾10V(without load), ¡¾5(with load)
- Symmetrical variable range : 10 : 1 to 1 : 10 or more

SINE WAVE

- Distortion : less than 1%(0.2Hz ~ 100kHz)

SQUARE WAVE

- Rise / fall time : less than 25ns

TRIANGLE WAVE

- Linearity : less than 1% up to 100kHz and less than 5% up to 2MHz

TTL OUTPUT

- Output : TTL level
- Rise/fall time : less than 25ns

CMOS OUTPUT

- Output : 4V~15V ¡¾ 1V, continuously variable
- Rise/fall time : less than 40ns (at Max. output level_

SWEEP

- Width : 1 : 1 to 100 : 1
- Rate : 20ms to 2s (50hz to 0.5Hz)
- Internal sweep : linear
- External sweep : by means of VCF input

OUTPUT

- Output voltage : 20Vp-p (open circuit), 10Vp-p(into 50§Ù)
- Attenuator : -20dB
- Impedance : 50§Ù ¡¾ 5%

FREQUENCY COUNTER

- Display : 6 digit green LED(0.2Hz ~ 50MHz)
- Accuracy : time base error ¡¾ 1 counter
- Input sensitivity : 100mV on kHz range and 300mV on MHz range
- Max. input voltage : 150Vrms at 1kHz

GENERAL

- Operating environments : 0¡É ~ 35¡É, 85% RH
- Range for guaranteed : 25¡É¡¾ 5¡É, 75% RH
- Power requirement : AC 115 / 230V ¡¾ 10%, 50/60Hz
- Power consumption : approx. 20W
- Dimension : 255mm(W) X 80mm(H) X 260(D)
- Accessories : power cord, fuse, operation manual, BNC cable

Close